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Dreesman, Gordon R. *See* LaRosa, Gregory J.
Dregne, Harold E. *See* Tucker, Compton J.
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Drossart, P. *See* Carlson, R. W.
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Dunne, James. *See* Johnson, Torrence V.
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Eaton, David F.: Nonlinear optical materials. p281 19 July 1991.
Eberhart-Phillips, Donna. *See* Michael, Andrew J.
Ebert, Ellen C. *See* Balk, Steven P.
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Edmondson, D. E. *See* Bollinger, J. M., Jr.
Efron, Bradley and Tibshirani, Robert: Statistical data analysis in the computer age. p390 26 July 1991.
Ehrlich, Paul R. and Wilson, Edward O.: Biodiversity studies: science and policy. p758 16 Aug 1991.
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Eisenberg, David. *See* Bowie, James U.
Eisner, Thomas and Orlov, Yuri: International Congress of Entomology and human rights (letter). p1194 13 Sep 1991.
Elias, J. *See* Crisp, D.
Emini, Emilio A. *See* LaRosa, Gregory J.
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Erwin, Terry L.: An evolutionary basis for conservation strategies. p750 16 Aug 1991.
Eskin, Arnold. *See* Raju, Uma.
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Eyre, Harmon. *See* Skolnick, Mark.

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Fanale, Fraser P. *See* Belton, Michael J. S. *See also* Carlson, R. W.
Fancher, Raymond E.: review of *Science, Ideology and the Media*, by Ronald Fletcher. p1515 20 Sep 1991.
Fane, Bentley. *See* Mitraki, Anna.
Farkash, Yigal. *See* Kapiloff, Michael S.
Farley, Claire T. and Taylor, C. Richard: A mechanical trigger for the trot-gallop transition in horses. p306 19 July 1991.
Farrar, W. Edmund: Faculty retirement (letter). p494 2 Aug 1991.
Farrelly, David. *See* Uzer, T.
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Ferguson, Gregory S.; Chaudhury, Manoj K.; Sigal, George B.; Whitesides, George M.: Contact adhesion of thin gold films on elastomeric supports: cold welding under ambient conditions. p776 16 Aug 1991.
Ferns, Gordon A. A.; Raines, Elaine W.; Sprugel, Katherine H.; Motani, Alykhan S.; Reidy, Michael A.; Ross, Russell: Inhibition of neointimal smooth muscle accumulation after angioplasy by an antibody to PDGF. p1129 6 Sep 1991.
Filley, J. *See* Bollinger, J. M., Jr.
Fillion, Eric. *See* Major, François.
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Finniear, Rachel. *See* Kinzler, Kenneth W.
Fischer, E. H.; Charbonneau, H.; Tonks, N. K.: Protein tyrosine phosphatases: a diverse family of intracellular and transmembrane enzymes. p401 26 July 1991.
Fischetti, Mark (news): A feast of gene-splicing down on the fish farm. p512 2 Aug 1991.
Fisher, Joseph A. and Rau, B. Ramakrishna: Instruction-level parallel processing. p1233 13 Sep 1991.
Fiske, Richard S. *See* Cashman, Katharine V.
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Frank, L. A.; Paterson, W. R.; Ackerson, K. L.; Coroniti, F. V.; Vasyliunas, V. M.: Plasma observations at Venus with Galileo. p1528 27 Sep 1991.
Frankel, Wayne N. *See* Rise, Matthew L.
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Freistadt, Marion: Women lab heads (letter). p834 23 Aug 1991.
Friedbacher, Gernot; Hansma, Paul K.; Ramli, Emanuel; Stucky, Galen D.: Imaging powders with the atomic force microscope: from biominerals to commercial materials. p1261 13 Sep 1991.
Friedman, Paul J.: Faculty retirement (letter). p494 2 Aug 1991.
Friedman, Robert M.: Air pollution benefit-cost assessment (letter). p607 9 Aug 1991. *See also* Kenyon, Kaylene.
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Fromageot, Pierre. *See* Gabrielsen, Odd S.
Fujii, Junichi; Otsu, Kinya; Zorzato, Francesco; de Leon, Stella; Khanna, Vijay K.; Weiler, Janice E.; O'Brien, Peter J.; MacLennan, David H.: Identification of a mutation in porcine ryanodine receptor associated with malignant hyperthermia. p448 26 July 1991.
Fulford, George A.: Pedestals and glass ceilings (letter). p951 30 Aug 1991.
Fürstenau, Hermann. *See* Amaldi, Ugo.
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G

Gabrielsen, Odd S.; Sentenac, André; Fromageot, Pierre: Specific DNA binding by c-Myb: evidence for a double helix-turn-helix–related motif. p1140 6 Sep 1991.
Gahm, Sara-Jo. *See* Wells, Faith B.
Gailani, David and Broze, George J., Jr.: Factor XI activation in a revised model of blood coagulation. p909 23 Aug 1991.
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Galione, Antony; Lee, Hon Cheung; Busa, William B.: Ca^{2+}-induced Ca^{2+} release in sea urchin egg homogenates: modulation by cyclic ADP-ribose. p1143 6 Sep 1991.
Ganetzky, Barry. *See* Atkinson, Nigel S.
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Gerfen, Charles R. and Engber, Thomas M.: Controls for lesions of the nigrostriatal dopamine system (technical comment). p332 19 July 1991.
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Gilmour, Newell E., Jr.: Terms of endearment (letter). p494 2 Aug 1991.
Giordano, Antonio; Lee, Joo Hun; Scheppler, Judith A.; Herrmann, Christine; Harlow, Ed; Deuschle, Ulrich; Beach, David; Franza, B. Robert, Jr.: Cell cycle regulation of histone H1 kinase activity associated with the adenoviral protein E1A. p1271 13 Sep 1991.
Giszter, Simon. *See* Bizzi, Emilio.
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Glitzenstein, Eric R.: Species hybridization and protection of endangered animals (letter). p252 19 July 1991.
Gloor, Gregory B.; Nassif, Nadine A.; Johnson-Schlitz, Dena M.; Preston, Christine R.; Engels, William R.: Targeted gene replacement in *Drosophila* via P element—induced gap repair. p1110 6 Sep 1991.
Glynn, P. W. and de Weerdt, W. H.: Elimination of two reef-building hydrocorals following the 1982–83 El Niño warming event. p69 5 July 1991.
Godden, J. W.; Turley, Stewart; Teller, David C.; Adman, Elinor T.; Liu, M. Y.; Payne, W. J.; LeGall, J.: The 2.3 angstrom x-ray structure of nitrite reductase from *Achromobacter cycloclastes*. p438 26 July 1991.
Goldgar, David. *See* Skolnick, Mark.
Goldman, Adrian. *See* Sussman, Joel L.
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Goodman, Billy (news): Holy phylogeny! did bats evolve twice? p36 5 July 1991.
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Graff, Gordon (news): Polymer scientists work to beef up biosensors. p1097 6 Sep 1991.
Graham, Russell W.: review of *Owls, Caves and Fossils*, by Peter Andrews (technical comment). p209 12 July 1991.
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Green, James; Cash, Webster; Cook, Timothy; Stern, S. Alan: The spectrum of comet Austin (technical comment). p452 26 July 1991.
Green, Philip and Lander, Eric S.: Forensic DNA tests and Hardy-Weinberg equilibrium (technical comment). p1037 30 Aug 1991.
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Greene, Mark I. *See* Saragovi, Horacio Uri.
Greengard, Paul; Jen, Joanna; Nairn, Angus C.; Stevens, Charles F.: Enhancement of the glutamate response by cAMP-dependent protein kinase in hippocampal neurons. p1135 6 Sep 1991.
Gregory, Richard J. *See* Anderson, Matthew P. *See also* Rich, Devra P.
Grinspoon, D. *See* Carlson, R. W.
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Groffen, John. *See* Kinzler, Kenneth W.
Gronenborn, Angela M.; Filpula, David R.; Essig, Nina Z.; Achari, Aniruddha; Whitlow, Marc; Wingfield, Paul T.; Clore, G. Marius: A novel highly stable fold of the immunoglobulin binding domain of streptococcal protein G. p657 9 Aug 1991.
Grossman, Arie W. *See* Muhleman, Duane O.
Grüner, George. *See* Allemand, Pierre-Marc.
Grusby, Michael J.; Johnson, Randall S.; Papaioannou, Virginia E.; Glimcher, Laurie H.: Depletion of CD4$^+$ T cells in major histocompatibility complex class II–deficient mice. p1417 20 Sep 1991.
Guo, Pingzhong. *See* Mueller, Laurence D.
Gurnett, D. A.; Kurth, W. S.; Roux, A.; Gendrin, R.; Kennel, C. F.; Bolton, S. J.: Lightning and plasma wave observations from the Galileo flyby of Venus. p1522 27 Sep 1991.
Gustin, Michael C.: Single-channel mechanosensitive currents (technical comment). p800 16 Aug 1991.
Guthrie, Christine: Messenger RNA splicing in yeast: clues to why the spliceosome is a ribonucleoprotein. p157 12 July 1991.

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Hall, William W.; Liu, Chunren R.; Schneewind, Olaf; Takahashi, Hidehiro; Kaplan, Mark H.; Röupe, Gosta; Vahlne, Anders: Deleted HTLV-I provirus in blood and cutaneous lesions of patients with mycosis fungoides. p317 19 July 1991.
Hamilton, David P. (news): Allocating the pain in energy science. p1482 27 Sep 1991. Baltimore case—in brief. p24 5 July 1991. Budget boost for energy science. p963 30 Aug 1991. Can OSI withstand a scientific backlash? p1084 6 Sep 1991. Geographic fission on fusion. p259 19 July 1991. Healy returns fire at Dingell hearing. p618 9 Aug 1991. Hints emerge from the Gallo probe. p728 16 Aug 1991. Industrial R&D plea. p1350 20 Sep 1991. Kennedy resigns from Stanford. p504 2 Aug 1991. OSI investigator "reined in." p372 26 July 1991. Policy-making: getting better data. p847 23 Aug 1991. Post-mortem on Storb resignation. p850 23 Aug 1991. A reprieve for MIT's magnet lab. p850 23 Aug 1991. Societies complain about ethics rules. p1348 20 Sep 1991. A tentative vote for supersymmetry. p272 19 July 1991. Thumbs up for two detectors. p373 26 July 1991. Will GOES-NEXT go next? p133 12 July 1991.
Hamilton, Stanley R. *See* Nishisho, Isamu.
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Hammonds, Evelynn M.: review of *Sage: A Scholarly Journal on Black Women*, p919 23 Aug 1991.
Hansma, Paul K. *See* Friedbacher, Gernot.
Hardeland, Rüdiger. *See* Balzer, Ivonne.
Harel, Michal. *See* Sussman, Joel L.
Harlow, Ed. *See* Giordano, Antonio.
Harouse, Janet M.; Bhat, Shama; Spitalnik, Steven L.; Laughlin, Mark; Stefano, Kelly; Silberberg, Donald H.; Gonzalez-Scarano, Francisco: Inhibition of entry of HIV-1 in neural cell lines by antibodies against galactosyl ceramide. p320 19 July 1991.
Harpending, Henry. *See* Vigilant, Linda.
Harris, Curtis C. *See* Hollstein, Monica.
Harris, Marvin K.: *Bacillus thuringiensis* and pest control (letter). p1075 6 Sep 1991.
Hart, J. T. *See* Wirak, D. O.
Haseltine, William A.: HIV research and *nef* alleles (letter). p366 26 July 1991.
Hatanaka, Masakazu. *See* Iwakura, Yoichiro.
Hatano, Masahiko; Roberts, Charles W. M.; Minden, Mark; Crist, William M.; Korsmeyer, Stanley J.: Deregulation of a homeobox gene, HOX11, by the t(10;14) in T cell leukemia. p79 5 July 1991.
Hauck, Robert J. P. *See* Silver, Howard J.
Hauer, P. E. *See* Wirak, D. O.
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Hecht, Frederick: Fragile X gene (letters). p1467 27 Sep 1991.
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Heffron, Fred. *See* Hoekstra, Merl F.
Heinemann, Stephen F. *See* Hume, Richard I.
Heintz, Nathaniel. *See* Roberts, Susan Boseman.
Heitman, Joseph; Movva, N. Rao; Hall, Michael N.: Targets for cell cycle arrest by the immunosuppressant rapamycin in yeast. p905 23 Aug 1991.
Helfenstein, Paul. *See* Belton, Michael J. S.
Hemley, R. J. *See* Badding, J. V.
Henderson, John B.: review of *The Study of Change*, by James Reardon-Anderson. p1045 30 Aug 1991.
Hengartner, Hans. *See* Oehen, Stephan.
Herlihy, A. T. *See* Baker, L. A.
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Herzfeld, Judith: Understanding hydrophobic behavior (technical comment). p88 5 July 1991.
Heus, Hans A. and Pardi, Arthur: Structural features that give rise to the unusual stability of RNA hairpins containing GNRA loops. p191 12 July 1991.
Hide, Raymond and Dickey, Jean O.: Earth's variable rotation. p629 9 Aug 1991.
Hiller, Susanne (news): A better way to make the medicine go down. p1095 6 Sep 1991.
Hilvert, Donald. *See* Lewis, Cristina.
Hines, Anson H. and Smith, L. David: review of *Crustacean Sexual Biology*, edited by Raymond T. Bauer and Joel W. Martin. p1045 30 Aug 1991.
Hirai, Hisako and Kondo, Ken-ichi: Modified phases of diamond formed under shock compression and rapid quenching. p772 16 Aug 1991.
Ho, P. P. *See* Wang, L.
Hoch, Harvey C. *See* Zhou, Xin-Liang.
Hodapp, K.-W. *See* Crisp, D.
Hoekstra, Merl F.; Liskay, R. Michael; Ou, Alan, C.; DeMaggio, Anthony J.; Burbee, David G.; Heffron, Fred: HRR25, a putative-protein kinase from budding yeast: association with repair of damaged DNA. p1031 30 Aug 1991.
Hoffman, Michelle (news): Boston loses 1992 AIDS meeting. p845 23 Aug 1991. First protein kinase structure. p383 26 July 1991. Hand ax throws light on European prehistory. p515 2 Aug 1991. New role found for a common protein "motif" p742 16 Aug 1991. Rainy forecast for Gulf area? p971 30 Aug 1991. RNA editing: what's in a mechanism? p136 12 July 1991. Straightening out the protein folding puzzle. p1357 20 Sep 1991. Taking stock of Saddam's fiery legacy in Kuwait. p971 30 Aug 1991.
Hoffmann, Geoffrey W. *See* Kion, Tracy A.
Hofmann, Franz. *See* Singer, Dafna.
Hoh, Jan H.; Lal, Ratneshwar; John, Scott A.; Revel, Jean-Paul; Arnsdorf, Morton F.: Atomic force microscopy and dissection of gap junctions. p1405 20 Sep 1991.
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Holden, Constance (news): Is "gender gap" narrowing? p959 30 Aug 1991.
Hollstein, Monica; Sidransky, David; Vogelstein, Bert; Harris, Curtis C.: p53 mutations in human cancers. p49 5 July 1991.
Holmes, N. C. *See* Hubbard, W. B.
Holmes, William E.; Lee, James; Kuang, Wun-Jing; Rice, Glenn C.; Wood, William I.: Structure and functional expression of a human interleukin-8 receptor. p1278 13 Sep 1991.
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Hopke, Philip K.: Foreign students and U.S. economic health (letter). p1194 13 Sep 1991.
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Hord, C. W.; Barth, C. A.; Esposito, L. W.; McClintock, W. E.; Pryor, W. R.; Simmons, K. E.; Stewart, A. I. F.; Thomas, G. E.; Ajello, J. M.; Lane, A. L.; West, R. W.; Sandel, B. R.; Broadfoot, A. L.; Hunten, D. M.; Shemansky, D. E.: Galileo ultraviolet spectrometer experiment: initial Venus and interplanetary cruise results. p1548 27 Sep 1991.
Horii, Akira. *See* Kinzler, Kenneth W. *See also* Nishisho, Isamu.
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Hotchin, John and Hotchin, Lois (Benson): Vaccination, immunopathology, and immunity (technical comment). p210 12 July 1991.
Hotchin, Lois (Benson). *See* Hotchin, John.
Houck, Marilyn A.; Clark, Jonathan B.; Peterson, Kenneth R.; Kidwell, Margaret G.: Possible horizontal transfer of *Drosophila* genes by the mite *Proctolaelaps regalis*. p1125 6 Sep 1991.
Howell, F. Clark: review of *Olduvai Gorge*, by P. V. Tobias. p1294 13 Sep 1991.
Hoy, Marjorie A.: review of *Introduction of Genetically Modified Organizations into the Environment*, edited by Harold A. Mooney and Giorgio Bernardi, *Risk Assessment in Genetic Engineering*, edited by Morris A. Levin and Harlee S. Strauss, and *Assessing Ecological Risks of Biotechnology*, edited by Lev R. Ginzburg. p89 5 July 1991.
Hsiau, P. *See* Wirak, D. O.
Hu, Z. *See* Skelton, E. F.
Hubbard, Ruth: Pedestals and glass ceilings. p917 23 Aug 1991.

Hubbard, W. B.; Nellis, W. J.; Mitchell, A. C.; Holmes, N. C.; Limaye, S. S.; McCandless, P. C.: Interior structure of Neptune: comparison with Uranus. p648 9 Aug 1991.
Hume, Richard I.; Dingledine, Raymond; Heinemann, Stephen F.: Identification of a site in glutamate receptor subunits that controls calcium permeability. p1012 30 Aug 1991.
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Huntley, M. E.; Lopez, M. D. G.; Karl, D. M.: Top predators in the Southern Ocean: a major leak in the biological carbon pump. p64 5 July 1991.
Huynh, B. H. *See* Bollinger, J. M., Jr.
Hwang, Stephen S.; Boyle, Terence J.; Lyerly, H. Kim; Cullen, Bryan R.: Identification of the envelope V3 loop as the primary determinant of cell tropism in HIV-1. p71 5 July 1991.

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Ingersoll, Andrew P. *See* Belton, Michael J. S.
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Inside AAAS: AAAS elections. p1562 20 Sep 1991. AAAS launches electronic journal amid new publication push. p1560 20 Sep 1991. Authors! authors!. p1561 20 Sep 1991. Call for SLAAS delegate. p455 26 July 1991. Expanding views: the AAAS minority scholars workshop on ethics in science. p1042 30 Aug 1991. Gold rush revisited. p1043 30 Aug 1991. In brief. p1043 30 Aug 1991. In memory of Arthur Herschman. p455 26 July 1991. In memory of Roger Revelle. p1043 30 Aug 1991. Inner vision. p1043 30 Aug 1991. 1992 AAAS Council meeting. p1562 20 Sep 1991. Report on malaria in Africa now available. p1562 20 Sep 1991. Reviewers wanted. p455 26 July 1991. *See* Jensen, Christina Steen. *See also* Kugler, Eileen.
Iwakura, Yoichiro; Tosu, Mariko; Yoshida, Emi; Takiguchi, Masafumi; Sato, Kazuto; Kitajima, Isao; Nishioka, Kusuki; Yamamoto, Kazuhiko; Takeda, Toshio; Hatanaka, Masakazu; Yamamoto, Hiroaki; Sekiguchi, Toyozo: Induction of inflammatory arthropathy resembling rheumatoid arthritis in mice transgenic for HTLV-I. p1026 30 Aug 1991.

J

Jablonski, David: Extinctions: a paleontological perspective. p754 16 Aug 1991.
Jaehning, Judith A.: Sigma factor relatives in eukaryotes. p859 23 Aug 1991.
Jaenisch, Rudolf. *See* Liao, Nan-Shih.
Jaskulek, S. *See* Williams, D. J.
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Jensen, Christina Steen: AAAS fellows learn EPA ways. p455 26 July 1991.
Jerrett,D. *See* Cess, R. D.
Jin, S.; Kammlott, G. W.; Nakahara, S.; Tiefel, T. H.; Graebner, J. E.: Dislocations and flux pinning in $YBa_2Cu_3O_{7-\delta}$. p401 26 July 1991.
John, Scott A. *See* Hoh, Jan H.
Johnson, David. *See* Silver, Howard J.
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Johnson, Scott. *See* Pearce, Gregory.
Johnson, T. V. *See* Carlson, R. W.
———; Yeates, Clayne M.; Young, Richard; Dunne, James: The Galileo Venus encounter. p1516 27 Sep 1991.
Johnson-Schlitz, Dena M. *See* Gloor, Gregory B.
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Joshi, Aravind K.: Natural language processing. p1242 13 Sep 1991.

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Kaner, Robert J.; Baird, Andrew; Florklewicz, Robert Z.; Mansukhani, Alka; Basilico,Claudio; Hajjar, David P.: Fibroblast growth factor receptor: does it have a role in the binding of herpes simplex virus? (technical comment). p209 12 July 1991.
Kaper, James B. and Mobley, Harry L. T.: Immortal sequence (letter). p951 30 Aug 1991.
Kapiloff, Michael S.; Farkash, Yigal; Wegner, Michael; Rosenfeld, Michael G.: Variable effects of phosphorylation of Pit-1 dictated by the DNA response elements. p786 16 Aug 1991.
Kaplan, Mark H. *See* Hall, William W.
Kappler, John W. *See* Paliard, Xavier.
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Kennel, C. F. *See* Gurnett, D. A. *See also* Kivelson, M. G.
Kenyon, Cynthia and Wang, Bruce: A cluster of *Antennapedia*-class homeobox genes in a nonsegmented animal. p516 2 Aug 1991.
Kenyon, Kaylene; Contente, Sara; Trackman, Philip C.; Tang, Jin; Kagan, Herbert M.; Friedman, Robert M.: Lysyl oxidase and *rrg* messenger RNA (technical comment). p802 16 Aug 1991.
Kerr, Richard A. (news): An about-face found in the ancient ocean. p1359 20 Sep 1991. The back burner of geothermal energy. p135 12 July 1991. Dancing with death at Unzen volcano. p271 19 July 1991. Geothermal tragedy of the commons. p134 12 July 1991. Greenhouse bandwagon rolls on. p841 23 Aug 1991. Hydroxyl, the cleanser that thrives on dirt. p1210 13 Sep 1991. A job well done at Pinatubo volcano. p509 2 Aug 1991. The lessons of Dr. Browning. p622 9 Aug 1991. Lightning found on Venus at last? p1492 27 Sep 1991. Pinning down a will-o'-the-wisp. p1210 13 Sep 1991. Venus caught in a geologic act? p1208 13 Sep 1991. Why bigger isn't better in earth observation. p1481 27 Sep 1991. Will the fourth time be a charm? p623 9 Aug 1991.
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King, Jonathan. *See* Mitraki, Anna.
Kinzler, Kenneth W. *See* Nishisho, Isamu.
———; Nilbert, Mef C.; Su, Li-Kuo; Vogelstein, Bert; Bryan, Tracy M.; Levy, Daniel B.; Smith, Kelly J.; Preisinger, Antonette C.; Hedge, Philip; McKechnie, Douglas; Finniear, Rachel; Markham, Alex; Groffen, John; Boguski, Mark S.; Altschul, Stephen F.; Horii, Akira; Ando, Hiroshi; Miyoshi, Yasuo; Miki, Yoshio; Nishisho, Isamu; Nakamura, Yusuke: Identification of FAP locus genes from chromosome 5q21. p661 9 Aug 1991.
Kion, Tracy A. and Hoffmann, Geoffrey W.: Anti-HIV and anti–anti-MHC antibodies in alloimmune and autoimmune mice. p1138 6 Sep 1991.
Kitajima, Isao. *See* Iwakura, Yoichiro.
Kivelson, M. G.; Kennel, C. F.; McPherron, R. L.; Russell, C. T.; Southwood, D. J.; Walker, R. J.; Hammond, C. M.; Khurana, K. K.; Strangeway, R. J.; Coleman, P. J.: Magnetic field studies of the solar wind interaction with Venus from the Galileo flyby. p1518 27 Sep 1991.
Klassen, Kenneth P. *See* Belton, Michael J. S.
Klevitt, Rachel E.: Recognition of DNA by Cys_2His_2 zinc fingers. p1367 20 Sep 1991.
Knighton, Daniel R.; Zheng, Jianhua; Ten Eyck, Lynn F.; Ashford, Victor A.; Xuong, Nguyen-huu; Taylor, Susan S.; Sowadski, Janusz M.: Crystal structure of the catalytic subunit of cyclic adenosine monophosphate–dependent protein kinase. p407 26 July 1991.
Knighton, Daniel R.; Zheng, Jianhua; Ten Eyck, Lynn F.; Xuong, Nguyen-huu; Taylor, Susan S.; Sowadski, Janusz M.: Structure of a peptide inhibitor bound to the catalytic subunit of cyclic adenosine monophosphate–dependent protein kinase. p414 26 July 1991.
Knudsen, Eric I. and Brainard, Michael S.: Visual instruction of the neural map auditory space in the developing optic tectum. p85 5 July 1991.
Koch, Andrew. *See* Allemand, Pierre-Marc.
Kondo, Ken-ichi. *See* Hirai, Hisako.
Koniarek, Jan P.: Patents and publication (letter). p719 16 Aug 1991.
Konner, Melvin: review of *Man and Beast Revisited*, edited by Michael H. Robinson and Lionel Tiger. p1564 20 Sep 1991.
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Koshland, Daniel E., Jr. (editorials): The handling of leaked information. p9 5 July 1991. Preserving biodiversity. p717 16 Aug 1991. Toxic chemicals and toxic laws. p949 30 Aug 1991.
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Koyama, Kumiko. *See* Nishisho, Isamu.
Kraft, Dietrich. *See* Valenta, Rudolf.
Krämer, Thomas. *See* Lewis, Cristina.
Krauzlis, Richard J. and Lisberger, Stephen G.: Visual motion commands for pursuit eye movements in the cerebellum. p568 2 Aug 1991.
Krebs, Elizabeth A. *See* Winquist, S. Todd.
Kresge, A. Jerry. *See* Chiang, Yvonne.
Krimigis, S. M. *See* Williams, D. J.
Kroll, G. H. *See* Poirier, D. M.
Krug, Edward C. and Warnick, Walter L.: Sources of acidity in surface waters (letter). p1334 20 Sep 1991.
Krupnick, Alan J. and Portney, Paul R.: Air pollution benefit-cost assessment (letter). p608 9 Aug 1991.
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Kugler, Eileen: Scientists invited to join teachers in fight against scientific illiteracy. p454 26 July 1991.
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Lafferty, Joyce A. *See* Paliard, Xavier.
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Lal, Ratneshwar. *See* Hoh, Jan H.
LaMarco, Kelly; Thompson, Catherine C.; Byers, Brien P.; Walton, Eve M.; McKnight, Steven L.: Identification of Ets- and Notch-related subunits in GA binding protein. p789 16 Aug 1991.
Landau, Steven B. *See* Balk, Steven P.
Lander, Eric S. *See* Green, Philip.
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Larder, B. A. *See* St. Clair, M. H.
LaRosa, Gregory J.; Weinhold, Kent; Profy, Albert T.; Langlois, Alphonse J.; Dreesman, Gordon R.; Boswell, R. Neal; Shadduck, Phillip; Bolognesi, Dani P.; Matthews, Thomas J.; Emini, Emilio A.; Putney, Scott D.: Conserved sequence and structural elements in the HIV-1 principal neutralizing determinant: further clarifications. p1132 6 Sep 1991.
Lassmann, Hans. *See* Bothe, Katrin.
Laughlin, Mark. *See* Harouse, Janet M.
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LeGall, J. *See* Godden, J. W.
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Lellouch, E. *See* Carlson, R. W.
Lenhardt, Martin L.; Skellett, Ruth; Wang, Peter; Clarke, Alex M.: Human ultrasonic speech perception. p82 5 July 1991.
Lents, James M.: Air pollution benefit-cost assessment (letter). p607 9 Aug 1991.
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LeVay, Simon: review of *Development of the Visual System*, edited by Dominic Man-Kit Lam and Carla J. Schatz. p572 2 Aug 1991. A difference in hypothalamic structure between heterosexual and homosexual men. p1034 30 Aug 1991.
Levitan, Irwin B. *See* Chung, Sungkwon.
Levy, Daniel B. *See* Kinzler, Kenneth W. *See also* Nishisho, Isamu.

Levy, Jay A.: HIV research and *nef* alleles (letter). p366 26 July 1991.
Lewis, Cristina; Krämer, Thomas; Robinson, Suzanne; Hilvert, Donald: Medium effects in antibody-catalyzed reactions. p1019 30 Aug 1991.
Li, Y. Z.; Chander, M.; Patrin, J. C.; Weaver, J. H.; Chibante, L. P. F.; Smalley, R. E.: Order and disorder in C_{60} and K_xC_{60} multilayers: direct imaging with scanning tunneling microscopy. p429 26 July 1991.
Liang, X.-Z. *See* Cess, R. D.
Liao, Nan-Shih; Bix, Mark; Zijlstra, Maarten; Jaenisch, Rudolf; Raulet, David: MHC class I deficiency: susceptibility to natural killer (NK) cells and impaired NK activity. p199 12 July 1991.
Libbrecht, K. G. and Woodard, M. F.: Advances in helioseismology. p152 12 July 1991.
Lichtenberg, Erik. *See* Zilberman, David.
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Lipfert, Frederick W. and Morris, Samuel C.: Air pollution benefit-cost assessment (letter). p606 9 Aug 1991.
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Liu, Chunren R. *See* Hall, William W.
Liu, M. Y. *See* Godden, J. W.
Livdahl, Todd P. and Willey, Michelle S.: Prospects for an invasion: competition between *Aedes albopictus* and native *Aedes triseriatus*. p189 12 July 1991.
Livingston, Katherine: review of *Body Composition in Biological Anthropology*, by Roy J. Shephard. p1413 20 Sep 1991. review of *Genetic and Physical Mapping*, edited by Kay E. Davies and Shirley M. Tilghman. p687 9 Aug 1991. review of *Global Catastrophes in Earth History*, edited by Virgil L. Sharpton and Peter D. Ward. p687 9 Aug 1991. review of *Historical Archaeology in Global Perspective*, edited by Lisa Falk. p336 19 July 1991. review of *Major Evolutionary Radiations*, edited by P. D. Taylor and G. P. Larwood. p919 23 Aug 1991. review of *The Monkeys of Arashiyama*, edited by Linda Marie Fedigan and Pamela J. Asquith. p336 19 July 1991. review of *Population Regulation and Dynamics*, edited by M. P. Hassell and R. M. May. p920 23 Aug 1991. review of *Psychology at Iowa*, edited by Joan H. Cantor. p574 2 Aug 1991. review of *Science, American Sytle*, by Nathan Reingold. p574 2 Aug 1991. review of *Tsunami Hazard*, edited by E. N. Barnhard. p1431 20 Sep 1991.
Lopez, M. D. G. *See* Huntley, M. E.
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Lumley, John L.: review of *The Physics of Fluid Turbulence*, by W. D. McComb. p686 9 Aug 1991.
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Lutjeharms, J. R. E.; Shillington, F. A.; Duncombe Rae, C. M.: Observations of extreme upwelling filaments in the southeast Atlantic Ocean. p774 16 Aug 1991.
Lyerly, H. Kim. *See* Hwang, Stephen S.
Lynch, Michael. *See* Cohen, Joel E.
Lyo, In-Whan and Avouris, Phaedon: Field-induced nanometer- to atomic scale manipulation of silicon surfaces with the STM. p173 12 July 1991.

M

MacDonald, J. F. *See* Wang, Lu-Yang.
Macdonald, Ken C.; Scheirer, Daniel S.; Carbotte, Suzanne M.: Mid-ocean ridges: discontinuities, segments and giant cracks. p986 30 Aug 1991.
Madden, Stephen L.; Cook, Donna M.; Morris, Jennifer F.; Gashler, Andrea; Sukhatme, Vikas P.; Rauscher, Frank J., III: Transcriptional repression mediated by the WT1 Wilms tumor gene product. p1550 27 Sep 1991.
MacIntyre, Ross J.: review of *Evolution at the Molecular Level*, edited by Robert K. Selander, Andrew G. Clark, and Thomas S. Whittam. p1429 20 Sep 1991.
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Major, François; Turcotte, Marcel; Gautheret, Daniel; Lapalme, Guy; Fillion, Eric; Cedergren, Robert: The combination of symbolic and numerical computation for three-dimensional modeling of RNA. p1255 13 Sep 1991.
Malaguarnera, Lucia. *See* Szczylik, Cezary.
Manavalan, Parthasarathy. *See* Rich, Devra P.
Mann, Charles C. (news): Extinction: are ecologists crying wolf? p736 16 Aug 1991.
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Marland, Gregg and Turhollow, Anthony: Corn power (letter). p1194 13 Sep 1991.
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Marshall, Eliot (news): Artificial heart: the beat goes on. p500 2 Aug 1991. A "bridge-to-transplant." p501 2 Aug 1991. Computerizing 28 million files. p22 5 July 1991. Military labs hit by funding retreat. p131 12 July 1991. NASA squeezed, NSF expands—for now. p257 19 July 1991. The patent game: raising the ante. p20 5 July 1991. Space may be bad for your health. p1491 27 Sep 1991. Sullivan overrules NIH on sex survey. p502 2 Aug 1991. Tilting at the space station. p256 19 July 1991. USDA'S food survey riddled with flaws. p1349 20 Sep 1991.
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Marx, Jean (news): Alzheimer's research moves to mice. p266 19 July 1991. Efforts to prevent cancer are on the increase. p613 9 Aug 1991. Gene identified for inherited cancer susceptibility. p616 9 Aug 1991. Getting a jump on gene transfer in *Drosophila*. p1093 6 Sep 1991. A "mitey" theory for gene jumping. p1092 6 Sep 1991. New clue found to Alzheimer's. p857 23 Aug 1991. Zeroing in on individual cancer risk. p612 9 Aug 1991.
Masters, C. D.; Root, D. H.; Attanasi, E. D.: Resource constraints in peteroleum production potential. p146 12 July 1991.
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McCord, T. B. *See* Carlson, R. W.
McCormack, Wayne T. *See* Turka, Laurence A.
McCracken, Susan and Greenblatt, Jack: Related RNA polymerase–binding regions in human RAP30/74 and *Escherichia coli* σ70. p900 23 Aug 1991.
McDade, Lucinda A. *See* Lundberg, John G.
McDermott, Francis V. *See* Balk, Steven P.
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Meadows, Jack: review of *Exploring the Sun*, by Karl Hufbauer. p1044 30 Aug 1991.
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Meyer, Gerald F.: New drug applications (letter). p17 5 July 1991.
Michael, Andrew J. and Eberhart-Phillips, Donna: Relations among fault behavior, subsurface geology, and three-dimensional velocity models. p651 9 Aug 1991.
Michelson, Hillary B. and Wong, Robert K. S.: Excitatory synaptic response mediated by $GABA_A$ receptor in the hippocampus. p1420 20 Sep 1991.
Michener, Gail R.: review of *The Biology of the Naked Mole-Rate*, edited by Paul W. Sherman, Jennifer U. M. Jarvis, and Richard D.Alexander. p803 16 Aug 1991.
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Mitraki, Anna; Fane, Bentley; Haase-Pettingell, Cameron; Sturtevant, Julian; King, Jonathan: Global suppression of protein folding defects and inclusion body formation. p54 5 July 1991.
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Molony, Barbara: review of *The Japanese and Western Science*, by Masao Watanabe. p457 26 July 1991.
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Morowitz, Harold J.: Balancing species preservation and economic considerations. p752 16 Aug 1991.
Morris, Catherine and Horn, Richard: Single-channel mechanosensitive currents (technical comment). p801 16 Aug 1991.
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Movva, N. Rao. *See* Heitman, Joseph.
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Mueller, Laurence D.; Guo, Pingzhong; Ayala, Francisco J.: Density-dependent natural selection and trade-offs in life history traits. p433 26 July 1991.
Muhleman, Duane O.; Butler, Bryan J.; Grossman, Arie W.; Slade, Martin A.: Radar images of Mars. p1508 27 Sep 1991.
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Murthy, V. Rama: Early differentiation of the earth and the problem of mantle siderophile elements: a new approach. p303 19 July 1991. Correction (letter). p1467 27 Sep 1991.
Musier-Forsyth, Karin; Usman, Nassim; Scaringe, Stephen; Doudna, Jennifer; Green, Rachel; Schimmel, Paul: Specificity for aminoacylation of an RNA helix: an unpaired, exocyclic amino group in the minor groove. p784 16 Aug 1991.
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Nassif, Nadine A. *See* Gloor, Gregory B.
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Nellis, W. J. *See* Hubbard, W. B.
Nelson, Brad H. and Weisblat, David A.: Conversion of ectoderm to mesoderm by cytoplasmic extrusion in leech embryos. p435 26 July 1991.
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———; Nakamura, Yusuke; Miyoshi, Yasuo; Miki, Yoshio; Ando, Hiroshi; Horii, Akira; Koyama, Kumiko; Utsunomiya, Joji; Baba, Shozo; Hedge, Philip; Markham, Alex; Krush, Anne J.; Petersen, Gloria; Hamilton, Stanley R.; Nilbert, Mef C.; Levy, Daniel B.; Bryan, Tracy M; Preisinger, Antonette C.; Smith, Kelly J.; Su, Ki-Kuo; Kinzler, Kenneth W.; Vogelstein, Bert: Mutations of chromosome 5q21 genes in FAP and colorectal cancer patients. p665 9 Aug 1991.
Norman, Colin (news): Science education: where's the beef? p1205 13 Sep 1991. Tilting toward megaprojects. p261 19 July 1991.
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Orton, Glenn S.; Caldwell, John; Friedson, A. James; Martin, Terry Z.: Midinfrared thermal maps of Venus at the time of the Galileo encounter. p1536 6 Sep 1991.
Ostergaard, Hanne L. and Trowbridge, Ian S.: Negative regulation of CD45 protein tyrosine phosphatase activity by ionomycin in T cells. p1423 20 Sep 1991.
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Overpeck, Jonathon T.: review of *Paleoclimatology*, by Thomas J. Crowley and Gerald R. North. p804 16 Aug 1991.

P

Page, David L. and Dupont, William D.: Proliferative breast disease: diagnosis and implications (technical comment). p915 23 Aug 1991.
Palca, Joseph (news): Bernadine Healy: a new leadership style at NIH. p1087 6 Sep 1991. Changes ahead for gene therapy review process? p624 9 Aug 1991. A changing of the guards. p850 23 Aug 1991. Czechmate? p1347 20 Sep 1991. Draft of Gallo report sees the light of day. p1347 20 Sep 1991. Fetal brain signals time for birth. p1360 20 Sep 1991. Four thumbs up—one thumb down. p624 9 Aug 1991. Get-the-lead-out guru challenged. p842 23 Aug 1991. The growing anti-HIV armamentarium. p263 19 July 1991. Healy uses wit to woo NIHers. p1483 27 Sep 1991. Mikulas Popovic's letter on the HIV-1/HTLV-IIIB/83 isolate and the pooling experiment. p730 16 Aug 1991. New award debuts at NIH. p1205 13 Sep 1991. New journal will publish without paper. p1480 27 Sep 1991. Popovic blasts accusers, demands report be withdrawn. p729 16 Aug 1991. Promising AIDS drug looking for a sponsor. p262 19 July 1991. Trimming research flagship's sails. p963 30 Aug 1991.
Paliard, Xavier; West, Sterling G.; Lafferty, Joyce A.; Clements, Janice R.; Kappler, John W.; Marrack, Philippa; Kotzin, Brian L.: Evidence for the effects of a superantigen in rheumatoid arthritis. p325 19 July 1991.
Papaioannou, Virginia E. *See* Grusby, Michael J.
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Pearce, Gregory; Strydom, Daniel; Johnson, Scott; Ryan, Clarence A.: A polypeptide from tomato leaves induces wound-inducible proteinase inhibitor proteins. p895 23 Aug 1991.
Pechmann, Joseph H. K.; Scott, David E.; Semlitsch, Raymond D.; Caldwell, Janalee P.; Vitt, Laurie J.; Gibbons, J. Whitfield: Declining amphibian populations: the problem of separating human impacts from natural fluctuations. p892 23 Aug 1991.
Pei, Dehua; Ulrich, Helle D.; Schultz, Peter G.: A combinatorial approach toward DNA recognition. p1408 20 Sep 1991.
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Petit, Charles (news): A mountaintop cliffhanger of an eclipse. p386 26 July 1991.
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Pieken, Wolfgang A.; Olsen, David B.; Benseler, Fritz; Aurup, Helle; Eckstein, Fritz: Kinetic characterization of ribonuclease-resistant 2′-modified hammerhead ribozymes. p314 19 July 1991.
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Poirier, D. M.; Ohno, T. R.; Kroll, G. H.; Chen, Y.; Benning, P. J.; Weaver, J. H.; Chibante, L. P. F.; Smalley, R. E.: Formation of fullerides and fullerene-based heterostructures. p646 9 Aug 1991.
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Porco, Carolyn C.: An explanation for Neptune's ring arcs. p995 30 Aug 1991.
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Q

Qadri, S. B. *See* Skelton, E. F.
Que, Lawrence, Jr.: Oxygen activation at the diiron center of ribonucleotide reductase. p273 19 July 1991.

R

Rabe, Jürgen P. and Buchholz, Stefan: Commensurability and mobility in two-dimensional molecular patterns on graphite. p424 26 July 1991.
Ragent, B. *See* Crisp, D.
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Raines, Elaine W. *See* Ferns, Gordon A. A.
Raines, Paul E. *See* Uzer, T.
Raju, Uma; Koumenis, Constantinos; Nunez-Regueiro, Marta; Eskin, Arnold: Alteration of the phase and period of a circadian oscillator by a reversible transcription inhibitor. p673 9 Aug 1991.
Raktabutr, Apichaya. *See* Saragovi, Horacio Uri.
Ramabhadran, T. V. *See* Wirak, D. O.
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Real, Leslie A.: Animal choice behavior and the evolution of cognitive architecture. p980 30 Aug 1991.
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Renne, Paul R. and Basu, Asish R.: Rapid eruption of the Siberian traps flood basalts at the Permo-Triassic boundary. p176 12 July 1991.
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Rich, Alexander; Davies, David R.; Felsenfeld, Gary: Triplex RNA (letter). p17 5 July 1991.
Rich, Devra P.; Gregory, Richard J.; Anderson, Matthew P.; Manavalan, Parthasarathy; Smith, Alan E.; Welsh, Michael J.: Effect of deleting the R domain on CFTR-generated chloride channels. p205 12 July 1991.
Richmond, Barry J. *See* McClurkin, John W.
Rigby, Peter W. J. *See* Rosner, Mitchell H.
Rinderer, Thomas E.; Stelzer, J. Anthony; Oldroyd, Benjamin P.; Buco, Steven M.; Rubink, William L.: Hybridization between European and Africanized honey bees in the neotropical Yucatan Peninsula. p309 19 July 1991.
Risch, Neil. *See* Devlin, B.
Rise, Matthew L.; Frankel, Wayne N.; Coffin, John M.; Seyfried, Thomas N.: Genes for epilepsy mapped in the mouse. p669 9 Aug 1991.
Robbins, Mark O. and Thompson, Peter A.: Critical velocity of stick-slip motion (technical comment). p916 23 Aug 1991.
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Roberts, Susan Boseman; Segil, Neil; Heintz, Nathaniel: Differential phosphorylation of the transcription factor Oct1 during the cell cycle. p1022 30 Aug 1991.

Robertson, Gail A. *See* Atkinson, Nigel S.
Robertson, Larry W.; Silberhorn, Eric M.; Frank, Arthur L.; Glauert, Howard P.: Regulation of PCBs (letter). p1334 20 Sep 1991.
Robinson, Suzanne. *See* Lewis, Cristina.
Robinson, Terry E.: Controls for lesions of the nigrostriatal dopamine system (technical comment). p332 19 July 1991.
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Rose, David R. *See* Cygler, Miroslaw.
Rosenfeld, Azriel. *See* Aloimonos, Yiannis.
Rosenfeld, Michael G. *See* Kapiloff, Michael S.
Rosner, Mitchell H.; Vigano, M. Alessandra; Rigby, Peter W. J.; Arnheiter, Heinz; Staudt, Louis M.: Oct-3 and the beginning of mammalian development. p144 12 July 1991.
Ross, Russell. *See* Ferns, Gordon A. A.
Rosseinsky, M. J. *See* Tycko, R.
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Roux, A. *See* Gurnett, D. A.
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Rubinstein, Ellis (news): The Gallo factor: questions remain. p732 16 Aug 1991.
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Rumpold, Helmut. *See* Valenta, Rudolf.
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S

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——— and Buckley, Chris: Global text matching for information retrieval. p1012 30 Aug 1991.
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Saragovi, Horacio Uri; Fitzpatrick, Dennis; Raktabutr, Apichaya; Nakanishi, Hiroshi; Kahn, Michael; Greene, Mark I.: Design and synthesis of a mimetic from an antibody complementarity-determing region. p792 16 Aug 1991.
Sass, Philip. *See* Daar, Ira.
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Saunders, Martin: Buckminsterfullerane: the inside story. p330 19 July 1991.
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Schinder, Paul J. *See* Belton, Michael J. S.
Schmitz, Andrew. *See* Zilberman, David.
Schneewind, Olaf. *See* Hall, William W.
Schneider, Nicholas M.; Trauger, John T.; Wilson, Jody K.; Brown, David I.; Evans, Robin W.; Shemansky, Donald E.: Molecular origin of Io's fast sodium. p1394 20 Sep 1991.
Schoenbach, Lloyd. *See* Dorit, Robert L.
Scholten, Jeffrey D.; Chang, Kai-Hsuan; Babbitt, Patricia C.; Charest, Hugues; Sylvestre, Michel; Dunaway-Mariano, Debra: Novel enzymic hydrolytic dehalogenation of a chlorinated aromatic. p182 12 July 1991.
Schrage, Michael (news): Computer tools for thinking in tandem. p505 2 Aug 1991.
Schultz, Peter G. *See* Pei, Dehua.
Schultz, Steve C.; Shields, George C.; Steitz, Thomas A.: Crystal structure of a CAP-DNA complex: the DNA is bent by 90 SD. p1001 30 Aug 1991.
Schumann, G. Berry. *See* Skolnick, Mark.
ScienceScope: Academy to wade into the electromagnetic field quagmire. p955 30 Aug 1991. ADAMHA reorganization held hostage? p1199 13 Sep 1991. Alaska governor comes up with a new pipe dream. p19 5 July 1991. Antidepressants-suicide link to get another look. p1083 6 Sep 1991. British Parliament to probe lab closure? p371 26 July 1991. A call for better EMF studies. p371 26 July 1991. Computer security firms protest a new federal cryptography standard. p1343 20 Sep 1991. Conference confusion. p499 2 Aug 1991. Dismantling Canada's reductionist "old boy" network. p611 9 Aug 1991. DOE priorities. p1343 20 Sep 1991. Drug designers eye the elderly. p255 19 July 1991. Education panel to promote national standards. p1199 13 Sep 1991. Farmer leaves to start new corporation. p19 5 July 1991. FDA "integrity review" p955 30 Aug 1991. Federal Coordinating Council for Science, Engineering and Technology. p1083 6 Sept 1991. A floor fight over fetal tissue research looms in the Senate. p955 30 Aug 1991. Future budget squeezes bode ill for NASA space science. p1083 6 Sep 1991. Gallo report complete. p127 12 July 1991. Germ cell gene panel. p841 23 Aug 1991. Giving up on GOES-NEXT? p499 2 Aug 1991. Going critical over CTI. p1343 20 Sep 1991. Go north, NIH. p1475 27 Sep 1991. Goodbyes at Reston. p19 5 July 1991. Grant caps at the VA. p1343 20 Sep 1991. Hard start for UARS. p19 5 July 1991. Hess hangs it up at Agriculture Department. p1199 13 Sep 1991. Keeping contractors on the straight and narrow. p127 12 July 1991. A license for hackers? p720 16 Aug 1991. Management uncertainties at DOE's Office of Energy Research. p955 30 Aug 1991. More artifacts. p1475 27 Sep 1991. Mount Graham telescope endangered by Ohio State pullout. p1199 13 Sep 1991. NASA loses out on defense money, but NSF gets some relief. p1475 27 Sep 1991. New hope for international genome support. p255 19 July 1991. NIH bill to mandate ROTC program for biomedicine. . . and data sharing. p611 9 Aug 1991. OPRR berates NIH. p255 19 July 1991. OSI details charges against Sarngadharan. p720 16 Aug 1991. OSI verdict delayed. p127 12 July 1991. Panel sees Gallo paper. p371 26 July 1991. Preparing for the cleanup job in Eastern Europe. p841 23 Aug 1991. Pushing the limits of electron microscopy. p499 2 Aug 1991. Return to China. p1083 6 Sep 1991. Safety first in germ warfare. p727 16 Aug 1991. Scientists' malaise. p841 23 Aug 1991. Slowing the spread of scrapie. p499 2 Aug 1991. Social scientists want more respect. p727 16 Aug 1991. Stanford finances take a beating. p255 19 July 1991. Supreme Court patent case? p127 12 July 1991. Tape trouble. p611 9 Aug 1991. A tritium boost for JET. p841 23 Aug 1991. A U.S. Arctic research vessel? p371 26 July 1991. WHO scientists to boycott U.S. conferences. p1475 27 Sep 1991.
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Shapiro, Alan E.: review of *The Magic of Numbers and Motion*, by William R. Shea. p457 26 July 1991.
Sheldon, B. W. *See* Besmann, T. M.
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Sheng, Ping and Zhou, Minyao: Heat conductivity of amorphous solids: simulation results on model structures. p539 2 Aug 1991.
Shieh, Mei-Tsu and Spear, Patricia G.: Fibroblast growth factor receptor: does it have a role in the binding of herpes simplex virus? p208 12 July 1991.
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Silberhorn, Eric M. *See* Robertson, Larry W.
Sillaber, Christian. *See* Valenta, Rudolf.
Silman, Israel. *See* Sussman, Joel L.
Silver, Howard J.; Johnson, David; Lipsett, Lewis P.; Hauck, Robert J. P.; Abler, Ronald F.; Newmeyer, Frederick J.; D'Antonio, William V.: Separate NSF directorates (letter). p17 5 July 1991.
Silver, Paul G.: review of *Continental Mantle*, edited by Martin A. Menzies. p459 26 July 1991.
Simmons, Daniel L. *See* Davis, Nathan.
Simmons, K. E. *See* Hord, C. W.
Singer, Dafna; Biel, Martin; Lotan, Ilana; Flockerzi, Veit; Hofmann, Franz; Dascal, Nathan: The roles of the subunits in the function of the calcium channel. p1553 27 Sep 1991.
Singer, Maxine F.: Heroines and role models (editorial). p249 19 July 1991.
Singer, Robert H. *See* Sundell, Cynthia L.
Sinton, W. M. *See* Crisp, D.
Skellett, Ruth. *See* Lenhardt, Martin L.
Skelton, E. F.; Ayers, J. D.; Qadri, S. B.; Moulton, N. E.; Cooper, K. P.; Finger, L. W.; Mao, H. K.; Hu, Z.: Synchrotron x-ray diffraction from a microscopic single crystal under pressure. p1123 6 Sep 1991.
Skelton, Joel P. *See* Uzer, T.
Skolnick, Mark; Marshall, C. Jay; McWhorter, William; Goldgar, David; Cannon-Albright, Lisa; Ward, John H.; Eyre, Harmon; Schumann, G. Berry; Bishop, D. Tim: Proliferative breast disease: diagnosis and implications (technical comment). p915 23 Aug 1991.
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Slack, Nancy G.: review of *Women in the Field*, by Marcia Myers Bonta. p917 23 Aug 1991.
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Slanger, Tom G.: The spectrum of comet Austin (technical comment). p452 26 July 1991.
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Smith, Fred H.: review of *The Evolution of Homo erectus*, by G. Philip Rightmire. p1151 6 Sep 1991.
Smith, Kelly J. *See* Kinzler, Kenneth W. *See also* Nishisho, Isamu.
Smith, L. David. *See* Hines, Anson H.
Smith, Leslie: review of *Flow and Reactions in Permeable Rocks*, by O. M. Phillips. p1430 20 Sep 1991.
Smith, Michael D. *See* Belton, Michael J. S.
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Smith, Stewart W.: review of *Earthquake Hazard Analysis*, by Leon Reiter. p1429 20 Sep 1991.
Smol, John P. *See* Walker, Ian R.
Smyth, William H.; Combi, Michael R.; Stewart, A. I. F.: Analysis of the Pioneer-Venus Lyman-α image of the hydrogen coma of comet P/Halley. p1008 30 Aug 1991.
Smythe, W. D. *See* Carlson, R. W.
Snyder, Eric J.; Anderson, Mark S.; Tong, William M.; Williams, R. Stanley; Anz, Samir J.; Alvarez, Marcos M.; Rubin, Yves; Diederich, François N.; Whetten, Robert L.: Atomic force microscope studies of fullerene films: highly stable C_{60} fcc (311) free surfaces. p171 12 July 1991.
Soderblom, L. A. *See* Carlson, R. W.
Song, Wen-Chao and Brash, Alan R.: Purification of an allene oxide synthase and identification of the enzyme as a cytochrome P-450. p781 16 Aug 1991.
Sorbera, Lisa Ann and Morad, Martin: Modulation of cardiac sodium channels by cAMP receptors on the myocyte surface. p1286 13 Sep 1991.
Soulé, Michael E.: Conservation: tactics for a constant crisis. p744 16 Aug 1991.
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Squinto, Stephen P. *See* Davis, Samuel.
Squire, Larry R. and Zola-Morgan, Stuart: The medial temporal lobe memory system. p1380 20 Sep 1991.
St. Clair, M. H.; Martin, J. L.; Tudor-Williams, G.; Bach, M. C.; Vavro, C. L.; King, D. M.; Kellam, P.; Kemp, S. D.; Larder, B. A.: Resistance to ddI and sensitivity to AZT induced by a mutation in HIV-1 reverse transcriptase. p1557 27 Sep 1991.
St. John, Pamela. *See* Beck, Rainer D.
St. Lawrence, Patricia: Support for Jenny Harrison (letter). p836 23 Aug 1991.
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Stipp, David (news): Grand gamble on fruit fly learning. p1486 27 Sep 1991.
Stone, Richard (news): The education of silicon linguists. p854 23 Aug 1991. How to scrub an Arctic oil spill. p1203 13 Sep 1991. Icy inferno: researchers plan oil blaze in Arctic. p1203 13 Sep 1991. Know-nothing translation. p854 23 Aug 1991. Signs of wet weather in the polar mesosphere? p1488 27 Sep 1991. A trap to snare a monopole. p625 9 Aug 1991.
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Strauss, Richard E.: review of *Proceedings of the Michigan Morphometrics Workshop*, edited by F. James Rohlf and Fred L. Bookstein. p1152 6 Sep 1991.
Stroud, Robert M.: review of *Introduction to Protein Structure*, by Carl Branden and John Tooze. p685 9 Aug 1991.
Strydom, Daniel. *See* Pearce, Gregory.
Stubbe, J. *See* Bollinger, J. M., Jr.
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Sturtevant, Julian. *See* Mitraki, Anna.
Su, Ki-Kuo. *See* Nishisho, Isamu.
Su, Li-Kuo. *See* Kinzler, Kenneth W.
Sukhatme, Vikas P. *See* Madden, Stephen L.
Sun, Yong-kui. *See* Weinberg, W. Henry.
Sundell, Cynthia L. and Singer, Robert H.: Requirement of microfilaments in sorting of actin messenger RNA. p1275 13 Sep 1991.
Suslick, Kenneth S. *See* Flint, Edward B.
Sussman, Joel L.; Harel, Michal; Frolow, Felix; Oefner, Christian; Goldman, Adrian; Toker, Lilly; Silman, Israel: Atomic structure of acetylcholinesterase from *Torpedo californica:* a prototypic acetylcholine-binding protein. p872 23 Aug 1991.
Sylvestre, Michel. *See* Scholten, Jeffrey D.
Szczylik, Cezary; Skorski, Tomasz; Nicolaides, Nicholas C.; Manzella, Livia; Malaguarnera, Lucia; Venturelli, Donatella; Gewirtz, Alan M.; Calabretta, Bruno: Selective inhibition of leukemia cell proliferation by BCR-ABL antisense oligodeoxynucleotides. p562 2 Aug 1991.

T

Takahashi, Hidehiro. *See* Hall, William W.
Takeda, Toshio. *See* Iwakura, Yoichiro.
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Tanaka, Toyoichi. *See* Tokita, Masayuki.
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Taubes, Gary (news): The disputed birth of buckyballs. p1476 27 Sep 1991.
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Teller, David C. *See* Godden, J. W.
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Ten Eyck, Lynn F. *See* Knighton, Daniel R. *See also* Knighton, Daniel R.
Tepley, Norman and Barkley, Gregory L.: Wave of the future (letter). p1467 27 Sep 1991.
Theill, Lars E. *See* Castrillo, José-Luis.
Thomas, G. E. *See* Hord, C. W.
Thompson, Catherine C. *See* LaMarco, Kelly.
———; Brown, Thomas A.; McKnight, Steven L.: Convergence of Ets- and Notch-related structural motifs in a heteromeric DNA binding complex. p762 16 Aug 1991.
Thompson, Craig B. *See* Turka, Laurence A.
Thompson, George A. *See* Parson, Tom.
Thompson, Joe D. *See* Allemand, Pierre-Marc.
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Thompson, Simon. *See* Anderson, Matthew P.
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Toker, Lilly. *See* Sussman, Joel L.
Tokita, Masayuki and Tanaka, Toyoichi: Reversible decrease of gel-solvent friction. p1121 6 Sep 1991.
Tong, William M. *See* Snyder, Eric J.
Tonks, N. K. *See* Fischer, E. H.
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Tosu, Mariko. *See* Iwakura, Yoichiro.
Trackman, Philip C. *See* Kenyon, Kaylene.
Trapp, B. D. *See* Wirak, D. O.
Trauger, John T. *See* Schneider, Nicholas M.
Trowbridge, Ian S. *See* Ostergaard, Hanne L.
Tucker, Compton J.; Dregne, Harold E.; Newcomb, Wilbur W.: Expansion and contraction of the Sahara Desert from 1980 to 1990. p299 19 July 1991.
Tudor-Williams, G. *See* St. Clair, M. H.
Tully, J. C. *See* Tycko, R.
Turcotte, Marcel. *See* Major, François.
Turhollow, Anthony. *See* Marland, Gregg.
Turka, Laurence A.; Schatz, David G.; Oettinger, Marjorie A.; Chun, Jerold J. M.; Gorka, Carolyn; Lee, Kelvin; McCormack, Wayne T.; Thompson, Craig B.: Thymocyte expression of RAG-1 and RAG-2: termination by T cell receptor cross-linking. p778 16 Aug 1991.
Turley, Stewart. *See* Godden, J. W.
Turrin, Brent D.; Champion, Duane; Fleck, Robert J.: $^{40}Ar/^{39}Ar$ age of the Lathrop Wells volcanic center, Yucca Mountain, Nevada. p654 9 Aug 1991.
Tycko, R.; Dabbagh, G.; Rosseinsky, M. J.; Murphy, D. W.; Fleming, R. M.; Ramirez, A. P.; Tully, J. C.: ^{13}C NMR spectroscopy of K_xC_{60}: phase separation, molecular dynamics, and metallic properties. p884 23 Aug 1991.

U

Ulrich, Helle D. *See* Pei, Dehua.
Unterbeck, A. J. *See* Wirak, D. O.
Usman, Nassim. *See* Musier-Forsyth, Karin.
Utsunomiya, Joji. *See* Nishisho, Isamu.
Uzer, T.; Farrelly, David; Milligan, John A.; Raines, Paul E.; Skelton, Joel P.: Celestial mechanics on a microscopic scale. p42 5 July 1991.

V

Vagelos, P. Roy: Prescription drug prices (letter). p720 16 Aug 1991.
Vahlne, Anders. *See* Hall, William W.
Valent, Peter. *See* Valenta, Rudolf.
Valenta, Rudolf; Duchêne, Michael; Pettenburger, Karin; Sillaber, Christian; Valent, Peter; Bettelheim, Peter; Breitenbach, Michael; Rumpold, Helmut; Kraft, Dietrich; Scheiner, Otto: Identification of profilin as a novel pollen allergen; IgE autoreactivity in sensitized individuals. p557 2 Aug 1991.
Valenzuela, David M. *See* Davis, Samuel.
van Vark, G. N. and Bilsborough, A.: Shaking the family tree (letter). p834 23 Aug 1991.
Vande Woude, George F. *See* Daar, Ira.
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Vavro, C. L. *See* St. Clair, M. H.
Venturelli, Donatella. *See* Szczylik, Cezary.
Vermeij, Geerat J.: When biotas meet: understanding biotic interchange. p1099 6 Sep 1991.
Veverka, Joseph. *See* Belton, Michael J. S.
Vigano, M. Alessandra. *See* Rosner, Mitchell H.
Vigilant, Linda; Stoneking, Mark; Harpending, Henry; Hawkes, Kristen; Wilson, Allan C.: African populations and the evolution of human mitocondrial DNA. p1503 27 Sep 1991.
Vitt, Laurie J. *See* Pechmann, Joseph H. K.
Vogelstein, Bert. *See* Hollstein, Monica. *See also* Kinzler, Kenneth W. *See also* Nishisho, Isamu.
Voss, David: Frontiers of computer science (editorial). p1189 13 Sep 1991.

W

Wade, Michael J. and Goodnight, Charles J.: Wright's shifting balance theory: an experimental study. p1015 30 Aug 1991.
Wagner, Gerhard. *See* Adler, Marc.
Wake, David B.: Declining amphibian populations. p860 23 Aug 1991.
Waldrop, M. Mitchell (news): Radio astronomy's crumbling showpiece. p268 19 July 1991.
Walker, Ian R.; Mott, Robert J.; Smol, John P.: Allerød–Younger Dryas Lake temperatures from midge fossils in Atlantic Canada. p1010 30 Aug 1991.
Walker, James C. G.: review of *Biogeochemistry*, by William H. Schlesinger. p686 9 Aug 1991.
Walker, R. J. *See* Kivelson, M. G.
Walters, Edgar T.; Alizadeh, Hassan; Castro, Gilbert A.: Similar neuronal alterations induced by axonal injury and learning in *Aplysia*. p797 16 Aug 1991.
Walton, Eve M. *See* LaMarco, Kelly.
Wang, Bruce. *See* Kenyon, Cynthia.
Wang, L.; Ho, P. P.; Liu, C.; Zhang, G.; Alfano, R. R.: Ballistic 2-D imaging through scattering walls using an ultrafast optical kerr gate. p769 16 Aug 1991.
Wang, Lu-Yang; Salter, M. W.; MacDonald, J. F.: Regulation of kainate receptors by cAMP-dependent protein kinase and phosphatases. p1132 6 Sep 1991.
Wang, Peter. *See* Lenhardt, Martin L.
Ward, John H. *See* Skolnick, Mark.
Warnick, Walter L. *See* Krug, Edward C.
Washburn, Jan O.; Mercer, David R.; Anderson, John R.: Regulatory role of parasites: impact on host population shifts with resource availability. p185 12 July 1991.
Weary, Daniel M. *See* Winquist, S. Todd.
Weaver, J. H. *See* Li, Y. Z. *See also* Poirier, D. M.
Wegner, Michael. *See* Kapiloff, Michael S.
Weiler, Janice E. *See* Fujii, Junichi.
Weinberg, W. Henry and Sun, Yong-kui: Quantification of primary versus secondary C–H bond cleavage in alkane activation: propane on Pt. p542 2 Aug 1991.
Weinhold, Kent. *See* LaRosa, Gregory J.
Weisblat, David A. *See* Nelson, Brad H.
Weiss, Mark L.: Saving aboriginal DNA (letter). p1467 27 Sep 1991.
Weissbuch, I.; Addadi, L.; Lahav, M.; Leiserowitz, L.: Molecular recognition at crystal interfaces. p637 9 Aug 1991.
Weissman, Jonathan S. and Kim, Peter S.: Reexamination of the folding of BPTI: predominance of native intermediates. p1386 20 Sep 1991.
Weissman, Myrna M.: Children and divorce (letter). p952 30 Aug 1991.
Weissman, P. R. *See* Carlson, R. W.
Wells, Faith B.; Gahm, Sara-Jo; Hedrick, Stephen M.; Bluestone, Jeffrey A.; Dent, Alexander; Matis, Louis A.: Requirement for positive selection of γδ receptor-bearing T cells. p903 23 Aug 1991.
Wells, James A. *See* Cunningham, Brian C.
Welsh, Michael J. *See* Anderson, Matthew P. *See also* Rich, Devra P.
West, R. W. *See* Hord, C. W.
West, Sterling G. *See* Paliard, Xavier.
Wetherill, George W.: Occurrence of Earth-like bodies in planetary systems. p535 2 Aug 1991.
Whetten, Robert L. *See* Beck, Rainer D. *See also* Snyder, Eric J.
Whitesides, George M. *See* Ferguson, Gregory S.
Whitlow, Marc. *See* Gronenborn, Angela M.
Wigler, Michael. *See* Daar, Ira.
Wilken, B. *See* Williams, D. J.
Willey, Michelle S. *See* Livdahl, Todd P.
Williams, D. J.; McEntire, R. W.; Krimigis, S. M.; Roelof, E. C.; Jaskulek, S.; Tossman, B.; Wilken, B.; Stüdemann, W.; Armstong, T. P.; Fritz, T. A.; Lanzerotti, L. J.; Roederer, J. G.: Energetic particles at Venus: Galileo results. p1525 27 Sep 1991.
Williams, J. Trevor. *See* Cohen, Joel I.
Williams, R. Stanley. *See* Snyder, Eric J.
Wilson, Allan C. *See* Vigilant, Linda.
Wilson, Edward O. *See* Ehrlich, Paul R.
Wilson, Jody K. *See* Schneider, Nicholas M.
Wingfield, Paul T. *See* Gronenborn, Angela M.

Winquist, S. Todd; Weary, Daniel M.; Inman, Alastair J.; Mountjoy, D. James; Krebs, Elizabeth A.: Male swords and female preferences (technical comment). p1426 20 Sep 1991.
Wirak, D. O.; Bayney, R.; Ramabhadran, T. V.; Fracasso, R. P.; Hart, J. T.; Hauer, P. E.; Hsiau, P.; Pekar, S. K.; Scangos, G. A.; Trapp, B. D.; Unterbeck, A. J.: Deposits of amyloid β protein in the central nervous system of transgenic mice. p309 19 July 1991.
Wolter, Kirk M.: Accounting for America's uncounted and miscounted. p12 5 July 1991.
Wong, Robert K. S. *See* Michelson, Hillary B.
Wong, Vivien. *See* Davis, Samuel.
Wood, William I. *See* Holmes, William E.
Woodard, M. F. *See* Libbrecht, K. G.
Wright, Christopher V. E. *See* Blumberg, Bruce.
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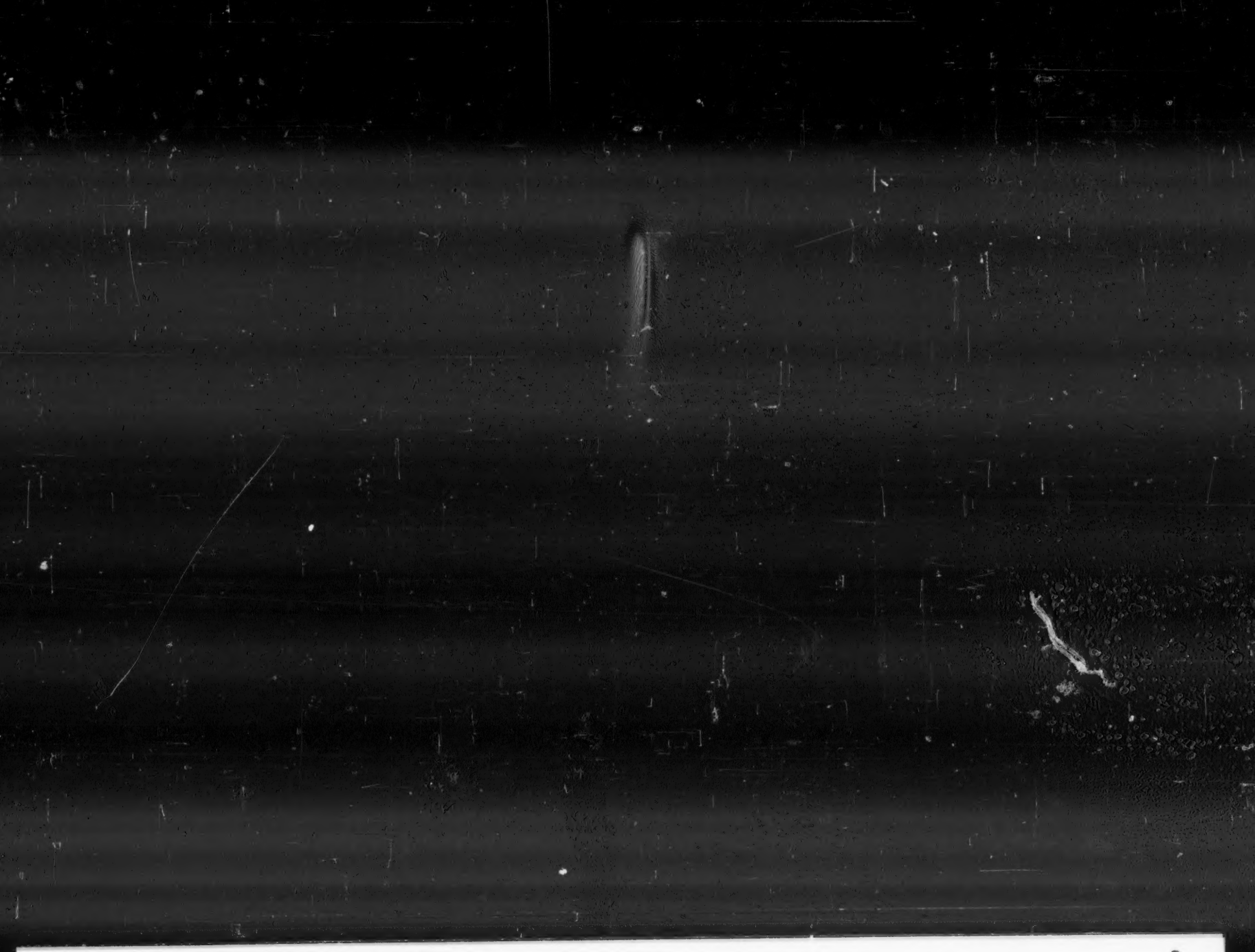
Yew, Nelson. *See* Daar, Ira.
Yoshida, Emi. *See* Iwakura, Yoichiro.
Young, Richard. *See* Johnson, Torrence V.

Z

Zagorski, Michael G. *See* Barrow, Colin J.
Zhang, G. *See* Wang, L.
Zhang, M.-H. *See* Cess, R. D.
Zheng, Jianhua. *See* Knighton, Daniel R. (two entries).
Zhou, Minyao. *See* Sheng, Ping.
Zhou, Xin-Liang; Stumpf, Mary Ann; Hoch, Harvey C.; Kung, Ching: A mechanosensitive channel in whole cells and in membrane patches of the fungus *Uromyces*. p1415 20 Sep 1991.
Zijlstra, Maarten. *See* Liao, Nan-Shih.
Zilberman, David; Schmitz, Andrew; Casterline, Gary; Lichtenberg, Erik; Siebert, Jerome B.: The economics of pesticide use and regulation. p518 2 Aug 1991.
Zinkernagel, Rolf M. *See* Oehen, Stephan.
Zola-Morgan, Stuart. *See* Squire, Larry R.
Zorzato, Francesco. *See* Fujii, Junichi.